Title (en)
METHOD AND ASSEMBLY FOR IDENTIFYING OBJECTS ON INSTALLATIONS

Title (de)
VERFAHREN UND ANORDNUNG ZUM ERKENNEN VON OBJEKTEN AN ANLAGEN

Title (fr)
PROCÉDÉ ET DISPOSITIF DE DÉTECTION DES OBJETS DANS DES INSTALLATIONS

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Application
EP 18190055 A 20180821

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Abstract (en)
[origin: WO2020038944A1] The invention relates to a method for detecting objects on systems, having the steps of: - providing a three-dimensional representation of the system, wherein the position and orientation of the representation and the system are known, and - capturing a first image and a second image of the system, the two images being captured from different positions above the system. The invention is characterized in that for a plurality of sections of the system, a respective comparison of the first and the second image is carried out using a parallax effect. If the images in a region surrounding the system match, an object is detected on the system. The invention additionally relates to a corresponding assembly.

Abstract (de)
Gegenstand der vorliegenden Erfindung ist ein Verfahren zum Erkennen von Objekten an Anlagen, mit den Schritten:- Bereitstellen einer dreidimensionalen Darstellung der Anlage, wobei die Position und Ausrichtung der Darstellung und der Anlage bekannt sind, und- Erfassen eines ersten Bildes und eines zweiten Bildes der Anlage, wobei die beiden Bilder von unterschiedlichen Positionen oberhalb der Anlage aufgenommen werden,dadurch gekennzeichnet, dassfür eine Vielzahl von Abschnitten der Anlage unter Ausnutzung eines Parallaxeneffekts jeweils ein Vergleich des ersten und des zweiten Bildes durchgeführt wird, wobeifür den Fall einer Übereinstimmung der Bilder in einem die Anlage umgebenden Bereich ein Objekt an der Anlage erkannt wird.Ferner ist Gegenstand der Erfindung eine entsprechende Anordnung.

IPC 8 full level
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CPC (source: EP US)
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